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This annual publication includes cumulative indexes to the Fall 1967 -Summer 1968 issues of the quarterly publications: "Abstracts of Instructional Materials in Vocational and Technical Education" (AIM) and "Abstracts of Research and Related Materials in Vocational and Technical Education," (ARM) published by the Educational Resources Information Center (ERIC) Clearinghouse on Vocational and Technical Education. Cumulative author, document number, and subject indexes are included for both AIM and ARM. Also, a cumulative vocational and supporting services area index is included for ARM. These indexes should be useful to administrators, curriculum specialists, researchers, supervisors, teachers, and teacher educators. Documents announced in AIM and ARM are available from the ERIC Document Reproduction Service or the source identified in the abstract. (CH)

# AIM-ARM

ANNUAL INDEX  
1967-68

**ERIC** CLEARINGHOUSE  
THE CENTER FOR VOCATIONAL  
AND TECHNICAL EDUCATION  
THE OHIO STATE UNIVERSITY  
COLUMBUS, OHIO

ED 022064

VT006925

The Center for Vocational and Technical Education has been established as an independent unit on The Ohio State University campus with a grant from the Division of Adult and Vocational Research, U. S. Office of Education. It serves a catalytic role in establishing a consortium to focus on relevant problems in vocational and technical education. The Center is comprehensive in its commitment and responsibility, multidisciplinary in its approach, and interinstitutional in its program.

The major objectives of The Center follow:

1. To provide continuing reappraisal of the role and function of vocational and technical education in our democratic society;
2. To stimulate and strengthen state, regional, and national programs of applied research and development directed toward the solution of pressing problems in vocational and technical education;
3. To encourage the development of research to improve vocational and technical education in institutions of higher education and other appropriate settings;
4. To conduct research studies directed toward the development of new knowledge and new applications of existing knowledge in vocational and technical education;
5. To upgrade vocational education leadership (state supervisors, teacher educators, research specialists, and others) through an advanced study and in-service education program;
6. TO PROVIDE A NATIONAL INFORMATION RETRIEVAL, STORAGE, AND DISSEMINATION SYSTEM FOR VOCATIONAL AND TECHNICAL EDUCATION LINKED WITH THE EDUCATIONAL RESEARCH INFORMATION CENTER LOCATED IN THE U. S. OFFICE OF EDUCATION.

U.S. DEPARTMENT OF HEALTH, EDUCATION & WELFARE  
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Abstracts of Instructional  
Materials in Vocational and Technical  
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ANNUAL INDEX,  
1967-68 .

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Abstracts of Instructional Materials in Vocational and Technical Education is a quarterly publication (Fall, Winter, Spring, Summer) published by the ERIC Clearinghouse on Vocational and Technical Education. Subscription is \$9.00 per year, or \$2.75 per single copy. Send order to Publications Clerk, The Center for Vocational and Technical Education, The Ohio State University, 980 Kinnear Road, Columbus, Ohio 43212. Contents of this publication may be reprinted freely without requesting permission, providing appropriate credit is given to The Clearinghouse.

## PREFACE

This publication provides cumulative indexes to the four issues of Abstracts of Instructional Materials in Vocational and Technical Education (AIM) published September 1967 - Summer 1968. These indexes are organized to permit location of materials published in the 1967-68 AIM by date of publication.

Abstracts of Instructional Materials in Vocational and Technical Education (AIM) and Abstracts of Research and Related Materials in Vocational and Technical Education (ARM) are companion publications. They announce the availability of documents acquired and processed by the ERIC Clearinghouse on Vocational and Technical Education. ARM incorporates abstracts of research and other materials which are useful to a wide audience of persons interested in vocational and technical education. Typical users include researchers, supervisors, teacher educators, education specialists, administrators, and teachers. AIM includes abstracts of materials typically designed for teacher use or student use, bibliographies or lists of instructional materials. AIM and ARM are prepared and published quarterly beginning with Fall 1967 issues by the ERIC Clearinghouse on Vocational and Technical Education.

The ERIC Clearinghouse on Vocational and Technical Education is a division of The Center for Research and Leadership Development in Vocational and Technical Education located at The Ohio State University. It is one of the clearinghouses of the Educational Resources Information Center (ERIC-USOE). With the growth of vocational education programs, there is an increasing need for accessible information that can be used in developing logical chains of reasoning for research activities, for improving school practices and for shortening the theory-practice gap. This Clearinghouse is striving to provide a useful and vital function in dissemination of information on vocational and technical education through these publications.

Since this Clearinghouse is a component of the larger information system, ERIC, it is logical that certain similarities among publications exist. Therefore, the format of ARM and AIM is similar to that of Research in Education (RIE)<sup>1</sup>, the primary publication of the Educational Resources Information Center (ERIC). RIE includes abstracts from all ERIC Clearinghouses. The abstracts of materials reported in ARM and AIM are specifically in the vocational and technical education field. They constitute a segment of ERIC, the information system for American Education.

In addition to the quarterly publication, Abstracts of Research and Related Materials in Vocational and Technical Education (ARM), and Abstracts of Instructional Materials in Vocational and Technical Education (AIM), other publications will be issued from time to time. These will typically be a review and synthesis of information in specific areas of vocational education and related areas such as industrial arts education, e.g., Review and Synthesis of Research in Technical Education; Agricultural Education; Home Economics, etc.

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<sup>1</sup>Research in Education is published 12 times a year. The first issue was no. 1, November 1965. Subscription: Domestic \$11.00 a year; foreign \$2.75 additional. Single copy: Domestic, \$1.00. Send a check or money order (no stamps) to the Superintendent of Documents, U. S. Government Printing Office, Washington, D. C. 20402.

We are indebted to our colleagues within the profession for their cooperation in forwarding materials to the Clearinghouse and for their suggestions and comments which have materially assisted in the development of this program. We anticipate further refinement and improved procedures with the continued assistance of our advisory committee.

Robert E. Taylor  
Director

## INTRODUCTION

### Organization of the Annual Index

This annual index to the materials previously announced in Abstracts of Instructional Materials in Vocational and Technical Education (AIM) covers the issues Fall 1967, Winter 1967, Spring 1968, Summer 1968. Indexes appear in the following order:

Personal and Institutional Author Index

VT Number, Issue, and Page Number Index

Conversion of Document Number Index

Subject Index

The organization of this publication will enable the user to search for materials by author or by subject. Under each author, or subject, document numbers of the materials published in the 1967-68 AIM are grouped by publication date. Thus materials published during the current year and previous years can easily be identified.

The first column under the author index or subject index is the date of publication. Following the date of publication are the VT numbers of the documents published during that year. The usual VT symbol and initial two digits, 00, are not used in this cumulative index in order to avoid repetition and to make the number itself easily read. For example, the number VT 001 195 has been reduced to 1195. To further assist the user, these numbers are displayed sequentially as follows:

0000 - 0999	5000 - 5999
1000 - 1999	6000 - 6999
2000 - 2999	7000 - 7999
3000 - 3999	8000 - 8999
4000 - 4999	9000 - 9999

#### Example

Date of publication of documents	WIGGS, J. T.	<u>VT Numbers</u>
	66: 990 ←	0-999 series
	1195 ←	1,000 series
Date of publication of documents	NORTH CAROLINA STATE BOARD OF EDUC., RALEIGH, VOCATIONAL TECHNICAL DIVISION	
	67: 359 ←	0-999 series
	3625, 3627 ←	3,000 series
	4491 ←	4,000 series



### Use of the Annual Index

The author index and subject index supply only the date of publication and VT number; therefore, the user will need to make a list of the numbers he is interested in checking. An outline of the steps to be taken in locating information represented by a VT number follows:

1. Use the VT Number, Issue, and Page Number Index to determine the appropriate issues and page numbers of AIM.
2. Refer to resumes in the appropriate issues of AIM for the author, title, abstract and availability statements of each report.
3. If the full report is desired after reading the abstract, the user may determine availability of microfiche by looking at the ERIC Document Reproduction Service (EDRS) line shown above the abstract. Hard copy availability is shown in two places--1) the EDRS line shown above the abstract, 2) the last lines of the abstract. The availability of EDRS (facsimile) copy is a back-up system for materials which are or will be out-of-print.
4. Information for ordering from issuing agencies is furnished at the end of an abstract. Information for ordering from EDRS is furnished in all ERIC publications and in this Cumulative Index. Only documents with an ED (ERIC Document) number or MP (Manpower) number are available from EDRS. Microfiche or hard (facsimile) copy must be ordered by ED number or MP number from EDRS. EDRS is not set up to answer requests for materials by subject, author or title.
5. In some instances, the ED number or MP number for an item cited in AIM shows a publication date of RIE (Research in Education), e.g., VT 002 795 ED (See April 1968 RIE). The completed ED number may be obtained from the Conversion of Document Number Index in this volume provided the ED number is available at the time of publication, e.g., VT 002 795 is ED 014 559.
6. A report unavailable from an issuing agency and only available as microfiche in a VT-ERIC set may be obtained in the two forms 1) microfiche reproduced from a VT-ERIC set, 2) facsimile copy from a reader-printer. The VT-ERIC microfiche sets are most frequently located in State Research Coordinating Units, State Departments of Education, and university libraries. The addresses of the Research Coordinating Units are given at the end of this volume.

The Clearinghouse on Vocational and Technical Education has not been funded to provide microfiche or hard copies for users. The Clearinghouse provides users with availability information on the resume of a report.

## ERIC Document Reproduction Service (EDRS)

The ERIC Document Reproduction Service (EDRS) is operated by The National Cash Register Company. To save time, request order forms from:

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The prices for microfiche changed January 1, 1968. The price for Standing Orders (all ERIC Documents) was reduced to 8.4¢ per fiche and was increased to 25¢ per fiche for individual titles.

To compute the cost of individual microfiche announced prior to January 1, 1968 use the following table:

IF PREVIOUSLY PUBLISHED (MF) PRICE WAS	USE THIS NEW PRICE	IF PREVIOUSLY PUBLISHED (MF) PRICE WAS	USE THIS NEW PRICE
\$.09 -----	\$ .25	\$.54 -----	\$1.50
.18 -----	.50	.63 -----	1.75
.27 -----	.75	.72 -----	2.00
.36 -----	1.00	.81 -----	2.25
.45 -----	1.25	.90 -----	2.50

Microfiche cost of documents announced in this publication are based on the new price schedule.

### Scope of the Clearinghouse

The ERIC Clearinghouse on Vocational and Technical Education is responsible for research reports and other documents related to the general field of vocational and technical education. Included are reports on the specific fields of agricultural education, business and office occupations education, distributive education, health occupations education, home economics education, technical education, trade and industrial education, training in new subprofessional fields, and the related fields of industrial arts education, manpower economics, occupational psychology, and occupational sociology. Specifically included are subject categories such as administration, curriculum development, employment opportunities, evaluation, facilities and equipment, historical studies, individuals with special needs, innovative and experimental programs, instructional materials and devices, learning processes, manpower economics, occupations (jobs), philosophy and objectives, research methods, student personnel services, students (characteristics), teachers and teacher education, and teaching methods when related specifically to vocational and technical education.

## Acquisitions

The adequacy of information in this publication, as well as other services of this clearinghouse is directly related to the extensiveness of the information acquired and processed into the system. This Clearinghouse has assumed the initiative in obtaining as much of the available information as possible. However, it is impossible for any organization to achieve complete and comprehensive coverage of a field as vast as vocational education without the cooperation and assistance of the profession. The growth and ultimate effectiveness of the system require supplemental efforts of its users. Any person in the vocational or technical field is invited to forward to the Clearinghouse two copies of items relating to vocational-technical education for possible inclusion in the system. Questions relating to this endeavor should be directed to the Acquisitions Specialist at The Center.

## Abbreviations

AIM	<u>Abstracts of Instructional Materials in Vocational and Technical Education</u>
ARM	<u>Abstracts of Research and Related Materials in Vocational and Technical Education</u>
ED	ERIC Document
EDRS	ERIC Document Reproduction Service
ERIC	Educational Resources Information Center
HC	Hard copy
MF	Microfiche
RIE	<u>Research in Education</u>
VT	Vocational-Technical

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ERRATA

1. VT 002 324 reported in Winter 1967 AIM, page 207, is an abstract of VT 002 341 reported in Winter 1967 ARM, page 265. VT 002 324 is not available from EDRS as reported on page 207.
2. The following documents were reported as NOT AVAILABLE FROM EDRS. Due to a later change in availability, these documents were filmed as part of the VT-ERIC microfiche sets.

VT 000 062 <sup>2</sup>	VT 001 322 <sup>2</sup>	VT 002 421 <sup>2</sup>	VT 003 112 <sup>2</sup>
VT 000 064 <sup>2</sup>	VT 001 539 <sup>2</sup>	VT 002 697 <sup>2</sup>	VT 003 119 <sup>2</sup>
VT 000 074 <sup>2</sup>	VT 001 659 <sup>2</sup>	VT 002 781 <sup>1</sup>	VT 003 120 <sup>2</sup>
VT 000 111 <sup>1</sup>	VT 001 671 <sup>2</sup>	VT 002 787 <sup>2</sup>	VT 003 122 <sup>2</sup>
VT 000 112 <sup>2</sup>	VT 001 837 <sup>2</sup>	VT 002 792 <sup>1</sup>	VT 003 129 <sup>1</sup>
VT 000 113 <sup>2</sup>	VT 001 883 <sup>2</sup>	VT 002 798 <sup>2</sup>	VT 003 132 <sup>1</sup>
VT 000 114 <sup>1</sup>	VT 002 011 <sup>1</sup>	VT 002 819 <sup>2</sup>	VT 003 137 <sup>2</sup>
VT 000 115 <sup>1</sup>	VT 002 032 <sup>1</sup>	VT 002 857 <sup>1</sup>	VT 003 139 <sup>2</sup>
VT 000 116 <sup>1</sup>	VT 002 035 <sup>2</sup>	VT 002 926 <sup>2</sup>	VT 003 142 <sup>2</sup>
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VT 000 659 <sup>2</sup>	VT 002 206 <sup>2</sup>	VT 003 016 <sup>2</sup>	VT 003 514 <sup>4</sup>
VT 001 023 <sup>2</sup>	VT 002 251 <sup>1</sup>	VT 003 017 <sup>1</sup>	VT 003 515 <sup>4</sup>
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<sup>1</sup>This document is included in the 1967 Fall Microfiche Collection of Documents Reported in Abstracts of Instructional Materials in Vocational and Technical Education.

<sup>2</sup>This document is included in the 1967 Winter Microfiche Collection of Documents Reported in Abstracts of Instructional Materials in Vocational and Technical Education.

<sup>3</sup>This document is included in the 1968 Spring Microfiche Collection of Documents Reported in Abstracts of Instructional Materials in Vocational and Technical Education.

<sup>4</sup>This document is included in the 1968 Summer Microfiche Collection of Documents Reported in Abstracts of Instructional Materials in Vocational and Technical Education.

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Abstracts of Research and Related  
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ANNUAL INDEX  
1967-68

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## PREFACE

This publication provides cumulative indexes to the four issues of Abstracts of Research and Related Materials in Vocational and Technical Education (ARM) published September 1967 - Summer 1968. These indexes are organized to permit location of materials published in the 1967-68 ARM by date of publication.

Abstracts of Research and Related Materials in Vocational and Technical Education (ARM) and Abstracts of Instructional Materials in Vocational and Technical Education (AIM) are companion publications. They announce the availability of documents acquired and processed by the ERIC Clearinghouse on Vocational and Technical Education. ARM incorporates abstracts of research and other materials which are useful to a wide audience of persons interested in vocational and technical education. Typical users include researchers, supervisors, teacher educators, education specialists, administrators, and teachers. AIM includes abstracts of materials typically designed for teacher use or student use, and bibliographies or lists of instructional materials. AIM and ARM are prepared and published quarterly beginning with Fall 1967 issues by the ERIC Clearinghouse on Vocational and Technical Education.

The ERIC Clearinghouse on Vocational and Technical Education is a division of the Center for Research and Leadership Development in Vocational and Technical Education located at The Ohio State University. It is one of the clearinghouses of the Educational Resources Information Center (ERIC-USOE). With the growth of vocational education programs, there is an increasing need for accessible information that can be used in developing logical chains of reasoning for research activities, for improving school practices and for shortening the theory-practice gap. This Clearinghouse is striving to provide a useful and vital function in dissemination of information on vocational and technical education through these publications.

Since this Clearinghouse is a component of the larger information system, ERIC, it is logical that certain similarities among publications exist. Therefore, the format of ARM and AIM is similar to that of Research in Education (RIE)<sup>1</sup>, the primary publication of the Educational Resources Information Center (ERIC). RIE includes abstracts from all ERIC Clearinghouses. The abstracts of materials reported in ARM and AIM are specifically in the vocational and technical education field. They constitute a segment of ERIC, the information system for American Education.

In addition to the quarterly publication, Abstracts of Research and Related Materials in Vocational and Technical Education (ARM), and Abstracts of Instructional Materials in Vocational and Technical Education (AIM), other publications will be issued from time to time. These will typically be a review and synthesis of information in specific areas of vocational education and related areas such as industrial arts education, e.g., Review and Synthesis of Research in Technical Education; Agricultural Education; Home Economics, etc.

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<sup>1</sup>Research in Education is published 12 times a year. The first issue was no. 1, November 1965. Subscription: Domestic \$11.00 a year; foreign \$2.75 additional. Single copy: Domestic, \$1.00. Send check or money order (no stamps) to the Superintendent of Documents, U. S. Government Printing Office, Washington, D. C. 20402.

We are indebted to our colleagues within the profession for their cooperation in forwarding materials to the Clearinghouse and for their suggestions and comments which have materially assisted in the development of this program. We anticipate further refinement and improved procedures with the continued assistance of our advisory committee.

Robert E. Taylor  
Director



## INTRODUCTION

### Organization of the Annual Index

This annual index to the materials previously announced in Abstracts of Research and Related Materials in Vocational and Technical Education (ARM) covers the issues, Fall 1967, Winter 1967, Spring 1968, Summer 1968. Indexes appear in the following order:

- Personal and Institutional Author Index
- Vocational and Supporting Services Index
- VT Number, Issue, and Page Number Index
- Conversion of Document Number Index
- Subject Index

The organization of this publication will enable the user to search for materials by author, by service area, or by subject. Under each author, each service area, or each subject, document numbers of the materials published in the 1967-68 ARM are grouped by publication date. Thus materials published during the current year and previous years can easily be identified.

The first column under the author index, service area index, or subject index is the date of publication. Following the date of publication are the VT numbers of the documents published during that year. The usual VT symbol and initial two digits, 00, are not used in this cumulative index in order to avoid repetition and to make the number itself easily read. For example, the number VT 002 210 has been reduced to 2210. To further assist the user, these numbers are displayed sequentially as follows:

0000 - 0999	5000 - 5999
1000 - 1999	6000 - 6999
2000 - 2999	7000 - 7999
3000 - 3999	8000 - 8999
4000 - 4999	9000 - 9999

#### Example

	HENSEL, JAMES W.	<u>VT Numbers</u>
Date of publication of documents	67: 2210	2,000 series
	4279, 4364	4,000 series
	MISSISSIPPI STATE DEPT. OF EDUCA- TION, JACKSON. DIV. OF VOCATIONAL- TECHNICAL EDUCATION	
	66: 1570	1,000 series
	2148	2,000 series
	67: 777	0-999 series

### Use of the Annual Index

The author index, vocational and supporting services index, and subject index supply only the date of publication and VT number; therefore, the user will need to make a list of the numbers he is interested in checking. An outline of the steps to be taken in locating information represented by a VT number follows:

1. Use the VT Number, Issue, and Page Number Index to determine the appropriate issues and page numbers of ARM.
2. Refer to resumes in the appropriate issues of ARM for the author, title, abstract and availability statements of each report.
3. If the full report is desired after reading the abstract, the user may determine availability of microfiche by looking at the ERIC Document Reproduction Service (EDRS) line shown above the abstract. Hard copy availability is shown in two places--1) the EDRS line shown above the abstract, 2) the last lines of the abstract. The availability of EDRS hard (facsimile) copy is a back-up system for materials which are or will be out-of-print.
4. Information for ordering from issuing agencies is furnished at the end of an abstract. Information for ordering from EDRS is furnished in all ERIC publications and in this Cumulative Index. Only documents with an ED (ERIC Document) number or MP (Manpower) number are available from EDRS. Microfiche or hard (facsimile) copy must be ordered by ED number or MP number from EDRS. EDRS is not set up to answer requests for materials by subject, author, or title.
5. In some instances, the ED number or MP number for an item cited in ARM shows a publication date of RIE (Research in Education), e.g., VT 000 840 ED (See April 1968 RIE). The completed ED number may be obtained from the Conversion of Document Number Index in this volume provided the ED number is available at the time of publication, e.g., VT 000 840 is ED 014 539.
6. A report unavailable from an issuing agency and only available as microfiche in a VT-ERIC set may be obtained in the two forms 1) microfiche reproduced from a VT-ERIC set, 2) facsimile copy from a reader-printer. The VT-ERIC microfiche sets are most frequently located in State Research Coordinating Units, State Departments of Education, and university libraries.

The Clearinghouse on Vocational and Technical Education has not been funded to provide microfiche or hard copies for users. The Clearinghouse provides users with availability information on the resume of a report.

## ERIC Document Reproduction Service (EDRS)

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The prices for microfiche changed January 1, 1968. The price for Standing Orders (all ERIC Documents) was reduced to 8.4¢ per fiche and was increased to 25¢ per fiche for individual titles.

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\$.09 -----	\$ .25	\$.54 -----	\$1.50
.18 -----	.50	.63 -----	1.75
.27 -----	.75	.72 -----	2.00
.36 -----	1.00	.81 -----	2.25
.45 -----	1.25	.90 -----	2.50

Microfiche cost of documents announced in this publication are based on the new price schedule.

### Scope of the Clearinghouse

The ERIC Clearinghouse on Vocational and Technical Education is responsible for research reports and other documents related to the general field of vocational and technical education. Included are reports on the specific fields of agricultural education, business and office occupations education, distributive education, health occupations education, home economics education, technical education, trade and industrial education, training in new subprofessional fields, and the related fields of industrial arts education, manpower economics, occupational psychology, and occupational sociology. Specifically included are subject categories such as administration, curriculum development, employment opportunities, evaluation, facilities and equipment, historical studies, individuals with special needs, innovative and experimental programs, instructional materials and devices, learning processes, manpower economics, occupations (jobs), philosophy and objectives, research methods, student personnel services, students (characteristics), teachers and teacher education, and teaching methods when related specifically to vocational and technical education.

## Acquisitions

The adequacy of information in this publication, as well as other services of this clearinghouse is directly related to the extensiveness of the information acquired and processed into the system. This Clearinghouse has assumed the initiative in obtaining as much of the available information as possible. However, it is impossible for any organization to achieve complete and comprehensive coverage of a field as vast as vocational education without the cooperation and assistance of the profession. The growth and ultimate effectiveness of the system require supplemental efforts of its users. Any person in the vocational or technical field is invited to forward to the Clearinghouse two copies of items relating to vocational-technical education for possible inclusion in the system. Questions relating to this endeavor should be directed to the Acquisitions Specialist at The Center.

## Abbreviations

AIM	<u>Abstracts of Instructional Materials in Vocational and Technical Education</u>
ARM	<u>Abstracts of Research and Related Materials in Vocational and Technical Education</u>
ED	ERIC Document
EDRS	ERIC Document Reproduction Service
ERIC	Educational Resources Information Center
HC	Hard copy
MF	Microfiche
RIE	<u>Research in Education</u>
VT	Vocational-Technical

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ERRATA

1. VT 001 668 is a duplicate of VT 002 530.
2. The following documents were reported as NOT AVAILABLE FROM EDRS. Due to a later change in availability, these documents were filmed as part of the VT-ERIC microfiche sets.

VT 000 002 <sup>1</sup>	VT 000 269 <sup>2</sup>	VT 000 473 <sup>2</sup>	VT 001 994 <sup>2</sup>
VT 000 004 <sup>1</sup>	VT 000 332 <sup>2</sup>	VT 000 483 <sup>2</sup>	VT 002 014 <sup>2</sup>
VT 000 008 <sup>1</sup>	VT 000 334 <sup>2</sup>	VT 000 513 <sup>2</sup>	VT 002 218 <sup>2</sup>
VT 000 014 <sup>1</sup>	VT 000 343 <sup>1</sup>	VT 000 538 <sup>2</sup>	VT 002 253 <sup>2</sup>
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VT 000 020 <sup>1</sup>	VT 000 347 <sup>1</sup>	VT 000 545 <sup>2</sup>	VT 002 348 <sup>4</sup>
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VT 000 030 <sup>1</sup>	VT 000 397 <sup>1</sup>	VT 000 617 <sup>1</sup>	VT 002 577 <sup>4</sup>
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VT 000 119 <sup>1</sup>	VT 000 470 <sup>2</sup>	VT 001 977 <sup>2</sup>	

<sup>1</sup>This document is included in the 1967 Fall Microfiche Collection of Documents Reported in Abstracts of Research and Related Materials in Vocational and Technical Education.

<sup>2</sup>This document is included in the 1967 Winter Microfiche Collection of Documents Reported in Abstracts of Research and Related Materials in Vocational and Technical Education.

<sup>3</sup>This document is included in the 1968 Spring Microfiche Collection of Documents Reported in Abstracts of Research and Related Materials in Vocational and Technical Education.

<sup>4</sup>This document is included in the 1968 Summer Microfiche Collection of Documents Reported in Abstracts of Research and Related Materials in Vocational and Technical Education.

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VT 000 001	ED 010 786	VT 000 154	ED 013 868	VT 000 597	ED 014 531
VT 000 007	ED 010 787	VT 000 189	ED 012 309	VT 000 598	ED 013 880
VT 000 010	ED 010 788	VT 000 342	ED 012 751	VT 000 604	ED 013 881
VT 000 011	ED 010 789	VT 000 353	ED 013 869	VT 000 607	ED 011 031
VT 000 015	ED 011 282	VT 000 354	ED 012 752	VT 000 608	ED 013 882
VT 000 018	ED 012 297	VT 000 355	ED 012 753	VT 000 613	ED 013 883
VT 000 021	ED 011 283	VT 000 360	ED 016 766	VT 000 645	ED 015 245
VT 000 023	ED 010 790	VT 000 362	ED 013 870	VT 000 646	ED 011 032
VT 000 025	ED 011 284	VT 000 395	ED 011 921	VT 000 647	ED 011 033
VT 000 026	ED 010 791	VT 000 396	ED 011 922	VT 000 648	ED 011 034
VT 000 027	ED 011 912	VT 000 402	ED 012 310	VT 000 649	ED 011 035
VT 000 028	ED 011 913	VT 000 403	ED 011 923	VT 000 665	ED 013 884
VT 000 029	ED 011 545	VT 000 406	ED 011 924	VT 000 744	ED 012 314
VT 000 031	ED 012 298	VT 000 407	ED 011 925	VT 000 776	ED 016 032
VT 000 032	ED 012 743	VT 000 410	ED 011 926	VT 000 777	ED 014 533
VT 000 033	ED 011 914	VT 000 412	ED 013 872	VT 000 782	ED 013 885
VT 000 034	ED 011 915	VT 000 413	ED 012 754	VT 000 792	ED 014 534
VT 000 035	ED 011 916	VT 000 414	ED 012 755	VT 000 793	ED 014 535
VT 000 036	ED 011 917	VT 000 418	ED 012 311	VT 000 796	ED 011 287
VT 000 037	ED 012 299	VT 000 419	ED 011 927	VT 000 807	ED 014 536
VT 000 039	ED 012 300	VT 000 421	ED 012 312	VT 000 828	ED 014 537
VT 000 041	ED 012 301	VT 000 436	ED 012 756	VT 000 835	ED 013 886
VT 000 044	ED 012 302	VT 000 449	ED 010 926	VT 000 839	ED 014 538
VT 000 045	ED 012 744	VT 000 453	ED 012 313	VT 000 840	ED 014 539
VT 000 046	ED 012 303	VT 000 464	ED 012 757	VT 000 851	ED 013 887
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VT 000 051	ED 014 527	VT 000 487	ED 012 760	VT 000 885	ED 014 540
VT 000 054	ED 012 747	VT 000 505	ED 011 030	VT 000 897	ED 013 304
VT 000 063	ED 010 792	VT 000 509	ED 012 779	VT 000 907	ED 011 289
VT 000 067	ED 010 793	VT 000 523	ED 011 285	VT 000 908	ED 011 290
VT 000 070	ED 013 867	VT 000 533	ED 016 768	VT 000 913	ED 014 541
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VT 000 077	ED 011 546	VT 000 537	ED 013 873	VT 000 962	ED 015 246
VT 000 078	ED 011 918	VT 000 547	ED 014 529	VT 000 972	ED 015 247
VT 000 080	ED 012 305	VT 000 554	ED 011 286	VT 001 098	ED 011 036
VT 000 082	ED 011 919	VT 000 558	ED 011 547	VT 001 099	ED 011 037
VT 000 088	ED 011 920	VT 000 563	ED 013 874	VT 001 107	ED 012 315
VT 000 093	ED 012 307	VT 000 564	ED 013 875	VT 001 160	ED SEE DEC 68 RIE
VT 000 096	ED 012 749	VT 000 567	ED 014 530	VT 001 174	ED 014 543
VT 000 097	ED 012 308	VT 000 576	ED 013 876	VT 001 185	ED 016 036
VT 000 100	ED 010 794	VT 000 577	ED 013 877	VT 001 210	ED 011 621
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VT 001 260	ED 011 291	VT 001 757	ED 011 300	VT 002 229	ED 011 560
VT 001 267	ED 011 038	VT 001 758	ED 010 656	VT 002 318	ED 011 562
VT 001 270	ED 011 928	VT 001 760	ED 010 664	VT 002 319	ED 011 563
VT 001 281	ED 011 039	VT 001 761	ED 010 660	VT 002 320	ED 011 564
VT 001 291	ED 011 040	VT 001 762	ED 010 655	VT 002 323	ED 012 334
VT 001 317	ED 011 041	VT 001 763	ED 010 662	VT 002 325	ED 016 061
VT 001 333	ED 012 316	VT 001 764	ED 010 657	VT 002 332	ED 012 787
VT 001 344	ED 013 904	VT 001 765	ED 010 659	VT 002 333	ED 011 565
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VT 001 354	ED 014 544	VT 001 767	ED 010 661	VT 002 341	ED 012 788
VT 001 355	ED 014 545	VT 001 768	ED 010 653	VT 002 348	ED 015 252
VT 001 356	ED 015 249	VT 001 799	ED 016 055	VT 002 350	ED 015 253
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VT 001 358	ED 014 547	VT 001 807	ED 011 930	VT 002 354	ED 013 928
VT 001 366	ED 016 045	VT 001 808	ED 013 908	VT 002 424	ED 012 385
VT 001 369	ED 013 345	VT 001 823	ED 012 321	VT 002 450	ED 016 787
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VT 001 425	ED 011 043	VT 001 920	ED 014 551	VT 002 577	ED 015 254
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VT 001 519	ED 011 548	VT 001 937	ED 013 910	VT 002 654	ED 015 255
VT 001 536	ED 016 048	VT 001 939	ED 016 782	VT 002 675	ED 016 790
VT 001 546	ED 011 068	VT 001 940	ED 016 783	VT 002 694	ED 016 791
VT 001 550	ED 011 929	VT 002 001	ED 016 058	VT 002 740	ED 016 792
VT 001 557	ED 014 549	VT 002 012	ED 012 785	VT 002 745	ED 015 257
VT 001 558	ED 012 317	VT 002 031	ED 013 912	VT 002 754	ED 016 067
VT 001 560	ED 011 292	VT 002 065	ED 014 553	VT 002 796	ED 012 339
VT 001 564	ED 011 549	VT 002 116	ED 012 322	VT 002 799	ED 011 976
VT 001 570	ED 011 293	VT 002 131	ED 011 060	VT 002 827	ED 016 795
VT 001 593	ED 012 781	VT 002 141	ED 012 324	VT 002 871	ED 014 083
VT 001 626	ED 011 295	VT 002 148	ED 012 325	VT 002 875	ED 011 972
VT 001 638	ED 016 050	VT 002 151	ED 013 915	VT 002 876	ED 011 961
VT 001 656	ED 012 318	VT 002 152	ED 012 786	VT 002 883	ED 016 798
VT 001 668	ED 011 932	VT 002 153	ED 012 326	VT 002 884	ED 016 799
VT 001 676	ED 016 051	VT 002 154	ED 012 327	VT 002 887	ED 015 258
VT 001 712	ED 016 052	VT 002 187	ED 016 786	VT 002 927	ED 011 052
VT 001 726	ED 016 054	VT 002 196	ED 013 917	VT 002 928	ED 011 933
VT 001 733	ED 011 296	VT 002 198	ED 012 328	VT 002 930	ED 012 340
VT 001 735	ED 011 044	VT 002 199	ED 012 329	VT 002 936	ED 012 341
VT 001 738	ED 011 297	VT 002 209	ED 012 330	VT 002 946	ED 016 804
VT 001 742	ED 012 319	VT 002 210	ED 012 331	VT 002 955	ED 014 561
VT 001 744	ED 011 298	VT 002 219	ED 013 318	VT 002 956	ED 016 070
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VT 003 146	ED 012 344	VT 003 654	ED 013 963	VT 004 012	ED 016 833
VT 003 148	ED 012 346	VT 003 655	ED 013 964	VT 004 013	ED 016 834
VT 003 149	ED 012 347	VT 003 656	ED 013 965	VT 004 014	ED 016 097
VT 003 150	ED 012 348	VT 003 657	ED 013 966	VT 004 047	ED 016 098
VT 003 202	ED 013 954	VT 003 658	ED 014 577	VT 004 048	ED 016 099
VT 003 203	ED 013 955	VT 003 659	ED 014 578	VT 004 059	ED 015 303
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VT 003 206	ED 013 957	VT 003 661	ED 014 580	VT 004 084	ED 015 307
VT 003 207	ED 014 565	VT 003 664	ED 016 084	VT 004 087	ED 015 309
VT 003 208	ED 014 566	VT 003 665	ED 013 967	VT 004 090	ED 015 312
VT 003 209	ED 013 958	VT 003 670	ED 014 583	VT 004 091	ED 015 313
VT 003 210	ED 013 959	VT 003 679	ED 014 584	VT 004 093	ED 015 315
VT 003 212	ED 015 259	VT 003 681	ED 013 968	VT 004 096	ED 015 317
VT 003 213	ED 015 260	VT 003 688	ED 016 086	VT 004 097	ED 015 318
VT 003 214	ED 016 071	VT 003 696	ED 013 336	VT 004 098	ED 015 319
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VT 003 252	ED 012 790	VT 003 759	ED 015 281	VT 004 117	ED 016 837
VT 003 253	ED 013 960	VT 003 761	ED 015 283	VT 004 128	ED 015 325
VT 003 256	ED 011 981	VT 003 803	ED 015 286	VT 004 151	ED 016 107
VT 003 257	ED 014 567	VT 003 813	ED 016 090	VT 004 153	ED 016 109
VT 003 259	ED 015 262	VT 003 815	ED 014 592	VT 004 154	ED 016 838
VT 003 261	ED 015 264	VT 003 816	ED 014 593	VT 004 155	ED 016 839
VT 003 262	ED 015 265	VT 003 819	ED 010 702	VT 004 166	ED 016 112
VT 003 264	ED 015 266	VT 003 821	ED 015 287	VT 004 168	ED 016 845
VT 003 278	ED 013 961	VT 003 825	ED 014 595	VT 004 197	ED 016 847
VT 003 292	ED 016 807	VT 003 832	ED 014 596	VT 004 198	ED 016 848
VT 003 295	ED 016 072	VT 003 847	ED 014 605	VT 004 203	ED 014 083
VT 003 299	ED 016 809	VT 003 851	ED 014 606	VT 004 238	ED 016 117
VT 003 304	ED 016 811	VT 003 853	ED 014 607	VT 004 242	MP 000 352
VT 003 306	ED 016 073	VT 003 856	ED 015 294	VT 004 243	ED 016 120
VT 003 309	ED 016 075	VT 003 861	ED 014 608	VT 004 248	ED 016 122
VT 003 317	ED 012 791	VT 003 864	ED 014 611	VT 004 253	ED 016 125
VT 003 368	ED 016 812	VT 003 865	ED 014 612	VT 004 261	ED 016 129
VT 003 386	ED 014 569	VT 003 866	ED 014 613	VT 004 279	ED 016 131
VT 003 393	ED 016 077	VT 003 872	ED 015 297	VT 004 318	ED 016 137
VT 003 397	ED 016 814	VT 003 878	ED 015 299	VT 004 320	ED 016 138
VT 003 399	ED 0 815	VT 003 881	ED 016 092	VT 004 325	ED 015 330
VT 003 405	ED 015 267	VT 003 889	ED SEE SEP	VT 004 348	ED 016 852
VT 003 436	ED 015 268	VT 003 943	ED 016 094	VT 004 354	ED 013 655
VT 003 500	ED 015 270	VT 003 945	ED 014 615	VT 004 364	ED 016 853
VT 003 506	ED 014 571	VT 003 947	ED 014 617	VT 004 383	ED 016 142
VT 003 539	ED 016 079	VT 003 958	ED 013 644	VT 004 394	ED 016 855
VT 003 540	ED 016 080	VT 003 990	ED 010 641	VT 004 398	ED 016 857
VT 003 542	ED 016 082	VT 003 991	ED 016 829	VT 004 437	ED 013 338
VT 003 562	ED 016 083	VT 003 997	ED 016 830	VT 004 439	ED 015 335
VT 003 581	ED 016 822	VT 004 003	ED 016 831	VT 004 441	ED 015 337
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VT 004 448	ED 015 344
VT 004 450	ED 015 346
VT 004 452	ED 015 348
VT 004 487	ED 016 862
VT 004 494	ED 016 864
VT 004 659	ED 016 866
VT 004 693	ED 016 868
VT 004 757	ED 016 869
VT 004 835	ED 016 870
VT 005 118	ED 016 875
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